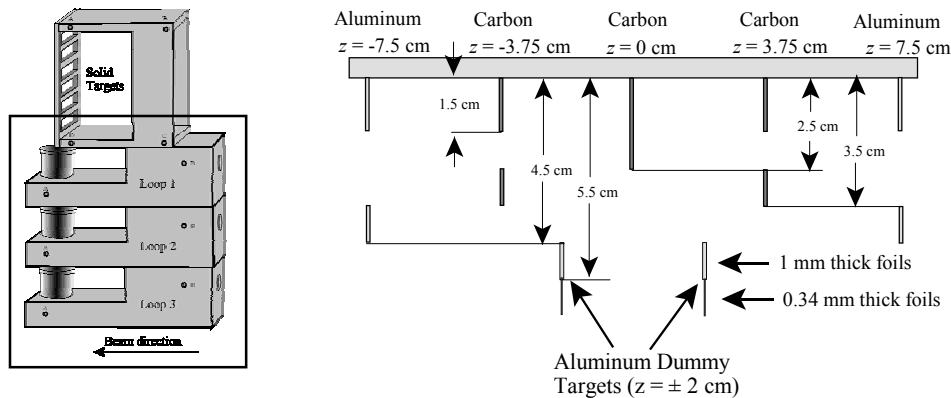


Target Status



- Use existing ($\frac{1}{2}$ height) tuna cells
 - Low boiling
 - Not clear what solid targets on top ladder.
 - Wall thickness ~ 5 mil but only measured at 4 spots.
- Settled on optics sled design
 - Two 4cm dummy foil thicknesses
 - 4 cm extended target studies at $\sim 16^\circ$

Note: May use an existing sled which is similar except $z = \pm 3.75$ foils would be at ± 4.0 cm.

J. Dunne
January 11, 2003

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Improvements

There have been a number of improvements to the target system.

A ✓ indicates that the improvement is completed.

- ✓ ■ Electronics behind green wall
- ✓ ■ Alignment
 - Improved mounting
 - Permanent survey scopes
- ✓ ■ New IOC & MEDM controls
 - New GUI
 - PID
- Single axis lifter, beefier gear boxes & couplings
- ✓ ■ Relief piping shortened
- ✓ ■ Recabling/labeling
- ✓ ■ Check & solenoid valves changed
- Documentation

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Outstanding Issues

- Target Thickness
 - Tuna can outer diameter well measured from CMM
 - Walls (probably good enough, remeasure after run)?
 - 4 cm dummy foils
- Target Operators
 - List of people
 - Training
- No Be exit window on chamber – Gate value?
- G0 Work – cryo lines

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Current Time Line

Cryo-Target Installation (assume no work on weekends)

Project	Duration	Start	Finish
Install and rough align target	4 days	02/06/03	02/11/03
Connect target gas and cryo lines	5 days	02/12/03	02/18/03
Align target and close up chamber	4 days	02/19/03	02/24/03
Reinstall U-tubes	1 day	02/25/03	02/25/03
Connect power and control cables	13 days	02/26/03	03/14/03
Target test cool-down	4 days	03/17/03	03/20/03

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